

SEQUENCE LISTING

<110> Vinals-Bassols, Carlota

<120> Polypeptide

<130> BC45215

<140> 09/889,689

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<150> 9901078.7

<151> 1999-01-19

<150> 9902090.1

<151> 1999-01-29

<150> 9902169.3

<151> 1999-02-01

<150> 9902168.5

<151> 1999-02-01

<150> 9902163.6

<151> 1999-02-01

<150> 9907901.4

<151> 1999-04-07

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 801

<212> DNA

<213> Homo Sapiens

<400> 1

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caggaggctg	aatggacctg	aagatggagg	agactctgca	gtcttggtca	gccacccttg	180
ggtgcttgcc	accctgcact	ctagcaggat	tgatggtctc	tggatttgta	gctgtgaccg	240
gtcatggtgg	aatgctcggg	ggtttgcact	ggagaggccc	acatggtggc	gactgaggcc	300
ctgtgggggtg	aggttggctc	atgatagctc	tgaaagtga	tggcacaatt	gagacaagga	360
cgtggagttc	tggaaactttc	ccagggtcct	tgcagcccga	gatgaagccc	tccaacattg	420
cagctcactg	ctgtgaaggc	tgaaagggga	gacaggaggc	tgctgggtac	ctcagggtgcc	480
aggcatgagg	ttctccgctg	tctggagtct	tgctttggga	gtgctacacc	tgtgggactc	540
cccaggcacc	acccaaaggc	ggggctctgg	ctcaagcttg	catggtttac	agagcctcac	600
atgatgtcct	ttcaggtttg	ttgagttggg	gctagggact	cgggtggcagc	agagcctggt	660
tctcctgcct	gaccaggccg	ttggcaggac	gcctcttccc	ctctgtggag	aagatggaga	720
agcagagaag	caggatacac	agcaggctgg	aaaggactag	aagcctcatg	gtgagaaggc	780
agattttccc	tcgttccgaa	t				801

<210> 2

<211> 1613
 <212> DNA
 <213> Homo Sapiens

<220>
 <221> misc_feature
 <222> (1)...(1613)
 <223> n = A,T,C or G

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<400> 2
tttttttaggg ttcagttcca gctgatttta tttccttctc aaaaaaagtt atttacagaa      60
ggtatatatc aacaatctga caggcagtga acttgacatg attagctggc atgatttttt      120
cttttttttc ccccaaactat tggtttttgtg gccttgaatt ttaagacaaa tattctacac      180
ggcatattgc acaggatgga tggcaaaaaa aagtttaaaa acaaaaaccc ttaacggaac      240
tgccttaaaa aggcagacgt cctagtgcct gtcattgttat attaaacata catacacaca      300
atcttttttc ttattataat acagacttaa atgtacaaag atgttttcca cttttttcaa      360
tttttaaaaca caacagctat aaacctgaac acatatgcta tcatcatgcc ataagactaa      420
aacaattata ttttagcgaca agtagaaagg attaaatagt caaatacaag aatgaaaaac      480
gcagtacata gtgtcgcgaa ctcaaactcg catttagata gatccagtgg tttaaacggc      540
acgttttttc ttataaaaaa agtgcaaaaa agatgtgggt tacaagttaa agctacagaa      600
tccctttttg ctgtaattgc accagtttta aagcctctgg acagagcagt atttcgttta      660
aaactttgtt tttcttaaaa gcttacagtg tttggctaata tctcctcccc tttttacaag      720
acggggggccg gagggtggac actggtggca ggttaaggga tactgtcact ttaagaagcc      780
tgcagattga agtgtaaaaca tggagaaatt aggggctgat tttttaaaact gtgtgagata      840
ttaaccagcc gccctgttat aaaatcagga aatccaaaca gcgatttaca ccgattaaca      900
ccccctttat atatttttta caaaaatata ctgagaaaat aatcaaactg tttcatctct      960
cttgtctttt tttgtttttt aaaagtgtca aaagtctaca tttaaatata aaaaattaaa     1020
agttaaaact ctagcccttc agtgaaggag acgtaaaatg gcgtgggtaa caacaactac     1080
caaaaaaaaaa agaaaaaaaaa aagaaaaaaaaa ggaaaaggaa ggaataaaga aataaaggaa     1140
gtaaaaagaa aggaaagaaa aaaagggaca aaagaaaaaa tatgtttggc ccagtataaa     1200
tacgtcccac atataaaatg gcatctgatt acatttacaa ggaaaaagaa atacgaggat     1260
ggagcatcgg tgaaggaaaa aaacacgtct tctcatttac acctataagg aataaacaca     1320
cacactgaga aaaaattttg ccctgaattg tttttttaa gtccagcaca gatttgagtt     1380
gcgtttgaat ccttttaaaga gttaagaatg aaaaaaagct ggtgataatt tcgttgtagg     1440
aatcaaacat agcgccatct atctgctttt tatattatcc tacactattt taaaaactgc     1500
tcaacagtct tatacagaaa tctttaaaag atagacagga taacatgcta tattaacccc     1560
accattgaaa taatccaaca ccatcacgat tccgattaag agaagnaaaa aat           1613
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<210> 3
 <211> 486
 <212> DNA
 <213> Homo Sapiens

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<400> 3
gagaaatttt aatttggtgt acaaaacttt tagtagttag tgaatgagta agatgatttg      60
tgtattgtgc agtttggtct taagagcaaa ggagaactta gagactatgg gttctagatg     120
ctgtgtctgc ctttcacagt ttctctgaac tttgtgattg aactggattc atattggagt     180
tatatatcag acaaaaacca aagtcattgg gcacaagcag aataagtcca aattaaaagt     240
ataatcatga gtttggttaa taatgcttta tatacttctt taaaatatac ttattttaata     300
ttaaggattt ttttttcctt gaatccatat aatttgaaag gtctaagggg aaaaacttgt     360
tttgagccac tttatgatgt gaattcactt catagggaaa taacatgctt ggtttttaat     420
gtactttaac ccttttaaag tacactggac caaattttag agagcatata catagtgtta     480
taaaat
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<210> 4
 <211> 1065
 <212> DNA

<213> Homo Sapiens

<220>

<221> misc_feature

<222> (1)...(1065)

<223> n = A,T,C or G

<400> 4

cagttcttga	aatctgaaat	ccngtttctg	aaatcttgaa	ttgcctccca	nttggccatt	60
ttccctttga	gccaaaagtt	tcagatTTTT	ggagcatttt	ggatttgga	tgctcaacct	120
gtgtaaatat	ttgttaatat	ataatgtaat	aattttaaaa	gatctcaaac	aattaatttt	180
gaaaattacc	atttaattat	gccagcattg	gtcattctcc	ctaattttct	agtccgcctc	240
taatctgttc	tcctcagtaa	taataaaaag	atagcacatt	catttattat	aaagccccaa	300
gtagggtataa	gtttaactca	taactgtttg	aagagtcagc	tttatgtctg	aaataatcac	360
tttatacaat	gtgtgtgtgt	gttttttttt	ttaaaggact	agacttagaa	cctttcccca	420
tactgtcaat	gggtatacctg	gggtagtgc	gcatgcacat	ttcaagattg	taaagactac	480
taccgaatc	caaaattgag	agagaacctg	tttatataaa	actcattagt	gaacactctt	540
cttaacagct	acagaggctg	ccagtagcta	tgatgttaat	tctctacttc	atgcatctgt	600
aggctaaatg	gaaaattaag	atatgactga	agagaagctc	ctcttcatat	tcagggtctgc	660
aacttttctc	tttaaaaagg	agagaattaa	gatcaatgaa	taccaatact	ggagaacttt	720
acaacgtatg	aattaactcc	tacagtcaag	gggtcactac	ttataacggt	gtatcagtaa	780
gtcacctaac	gatctacttg	tatcatgtct	agcaaacttc	actgtcccca	tcttacttgc	840
tttctccatg	acacctgaat	tttcctgatg	ctttctttct	cttgacttca	atgacatctc	900
ccatgtttca	ccatttttcc	cctatttcta	tggttccctt	ttcagtcttc	ccagatgctg	960
tgctctcctt	ctttaatcta	acctgtcaga	tggcaatatt	tctcatagtt	ctgacttagg	1020
cacttgtctt	ctgtaacata	ccttgtgtga	aacactcaaa	agctt		1065

<210> 5

<211> 475

<212> DNA

<213> Homo Sapiens

<220>

<221> misc_feature

<222> (1)...(475)

<223> n = A,T,C or G

<400> 5

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ttgcaggcta	agacaagact	ttcagattgg	cctatcattt	aatagaataa	gaaaagacct	120
ccttaattct	gtttcccttt	cttaaggggt	aagtatcatc	tgctcattaa	ctgacaaatg	180
gtgtgggtcaa	gtagcaaggc	tgacgcaaaa	agacctacac	tgatatactg	actccttatc	240
tttcatgttg	tgtagccttg	agcaagttac	tttaaccttt	ttaagcctct	gnttttttct	300
tctataacag	agacagtaat	atttatcact	ggtttttttt	gnagagatta	atgggcgtat	360
cttatgtaaa	tcacctaaaa	tatttttcta	ggtagtaggc	atcaaataag	cctgctatta	420
ctactttttg	gagaagataa	ccaggtcctt	ggacattacc	accaaaggta	ccctg	475

<210> 6

<211> 489

<212> DNA

<213> Homo Sapiens

<220>

<221> misc_feature

<222> (1)...(489)

<223> n = A,T,C or G

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<400> 6
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ggagccaggt gctctcattg cctaacaaaa taatggaaat atgtattcat tctaacatct      120
tgacatacag tataaaagggc actcagcaag tgcttttttag ttagactgat tttaaatgag      180
tagattcagg aataaccagaa aacgcacaca cacacagata attgggttgaa aatacgaggt      240
tagaaactta accattgaag aggagtaagg ctacttaaag cgttaaaaaac taattgggta      300
aggtatgggt gacccagcta cttcatttgc cttacgatgt atattcatta aactaagtca      360
ctcaccttct ctgtgatgtt gatgggttgg tatagtaaac atgagatatg attaaaggtg      420
attcagggat agatcaagtg tctgcctaag taaatctggg ntttcaattt tttttctaga      480
catcttgga                                         489

```

```

<210> 7
<211> 797
<212> DNA
<213> Homo Sapiens

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<400> 7
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gtcaggaggc taggaaggga ttccttgggg accactggat gctggtagtt aaatgccagg      120
aggctgaatg gacctgaaga tggaggagac tctgcagtc tggtcagcca cccttgggtg      180
cttgccaccc tgcactctag caggattgat ggtctctgga tttgtagctg tgaccggtca      240
tgggtggaatg ctcggtgggt tgcactggag agggccacat ggtggcgact gaggccctgt      300
ggggtgaggt tggctcatga tagctctgaa agttgatggc acaattgaga caaggacgtg      360
gagttctgga actttcccag ggtccttgca gcccgagatg aagccctcca acattgcagc      420
tcaactgctgt gaaggctgaa aggggagaca ggaggtgct ggggtacctca ggtgccaggc      480
atgaggttct ccgctgtctg gagtcttgct ttgggagtgc tacacctgtg ggactcccca      540
ggcaccaccc aaaggcgggg ctctggctca agcttgcagtg gtttacagag cctcacatga      600
tgtcctttca ggtttgttga gttggggcta gggactcggg ggcagcagag cctggttctc      660
ctgcctgacc aggccgttgg caggacgcct cttccctctc gtggagaaga tggagaagca      720
gagaagcagg atacagagca ggctggaag gactagaagc ctcattggtg gaaggcagat      780
tttccctcgt tccgaat                                         797

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<210> 8
<211> 1612
<212> DNA
<213> Homo Sapiens

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<220>
<221> misc_feature
<222> (1)...(1612)
<223> n = A,T,C or G

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<400> 8
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ctttttttttt ccccaaacat tgtttttgtg gccttgaatt ttaagacaaa tattctacac      180
ggcatattgc acaggatgga tggcaaaaaa aagtttaaaa aaaaaaaccc ttaacggaac      240
tgccttaaaaa aggcagacgt cctagtgcct gtcattgttat attaaacata catacacaca      300
atcttttttgc ttattataat acagacttaa atgtacaaaag atgtttttcca cttttttcaa      360
tttttaaaaca caacagctat aaacctgaac acatatgcta tcatcatgcc ataagactaa      420
aacaattata ttttagcgaca agtagaaagg attaaatagt caaatacaag aatgaaaaac      480
gcagtacata gtgtcgcgaa ctcaaactcg catttagata gatccagtgg tttaaacggc      540
acgttttttgc ttataaaaaa agtgcaaaaa agatgtggtt tacaagttaa agctacagaa      600
tcccttttttg ctgtaattgc accagtttta aagcctctgg acagagcagt atttcgttta      660
aaactttgtt tttcttaaaa gcttacagtg tttggctaata tctcctcccc tttttacaag      720
acggggggccg gaggggtggac actggtggca ggtaaggga tactgtcact ttaagaagcc      780
tgcagattga agtgtaaaca tggagaaatt aggggctgat tttttaaact gtgtgagata      840

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ttaaccagcc	gccctgttat	aaaatcagga	aatccaaaca	gcgatttaca	ccgattaaca	900
ccccctttat	atatttttta	caaaaataca	ctgagaaaat	aatcaaacgt	tttcatctct	960
cttgtctttt	tttgtttttt	aaaagtgtca	aaagtctaca	tttaaataata	aaaaattaaa	1020
agttaaaaact	ctagcccttc	agtgaaggag	acgtaaaaatg	gcgtgggtaa	caacaactac	1080
caaaaaaaaaa	agaaaaaaaaa	aagaaaaaaaa	ggaaaaggaa	ggaataaaga	aataaaggaa	1140
gtaaaaagaa	aggaaagaaa	aaaagggaca	aaagaaaaaa	tatgtttggc	ccagtataaa	1200
tacgtcccac	atataaaatg	gcattctgatt	acattttaca	ggaaaaagaa	atacgaggat	1260
ggagcatcgg	tgaaggaaaa	aaacacgtct	tctcattttac	acctataagg	aataaacaca	1320
cacactgaga	aaaaatttgg	ccctgaattg	tttttttaaa	gtccagcaca	gatttgagtt	1380
gcgtttgaat	ccttttaaga	gttaagaatg	aaaaaaagct	ggtgataatt	tcgttgtagg	1440
aatcaaacat	agcgccatct	atctgctttt	tatattatcc	tacactattt	taaaaactgc	1500
tcaacagtct	tatacagaaa	tctttaaaag	atagacagga	taacatgcta	tattaacccc	1560
accattgaaa	taatccaaca	ccatcacgat	tccgattaag	agaagnaaaa	aa	1612

<210> 9

<211> 486

<212> DNA

<213> Homo Sapiens

<400> 9

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tgtattgtgc	agtttggctt	taagagcaaa	ggagaactta	gagactatgg	gttctagatg	120
ctgtgtctgc	ctttcacagt	ttctctgaac	tttgtgattg	aactggattc	atattggagt	180
tatatatcag	acaaaaacca	aagtcattgg	gcacaagcag	aataagtcca	aattaaaagt	240
ataatcatga	gtttgttaaa	taatgcttta	tatacttctt	taaaatatac	ttatttaata	300
ttaaggattt	ttttttcctt	gaatccatat	aatttgaaag	gtctaagggg	aaaaacttgt	360
tttgagccac	tttatgatgt	gaattcactt	catagggaaa	taacatgctt	ggtttttaat	420
gtactttaac	cctttttaag	tacactggac	caaattttag	agagcatata	catagtgtta	480
taaaat						486

<210> 10

<211> 437

<212> DNA

<213> Homo Sapiens

<220>

<221> misc_feature

<222> (1)...(437)

<223> n = A,T,C or G

<400> 10

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atctgggaag	actgaaaagg	gaaccataga	aataggggaa	aaatggtgaa	acatggggaga	180
tgctcattgaa	gtcaagagaa	agaaagcatc	aggaaaattc	aggtgtcatg	gagaaagcaa	240
gtaagatggg	gacagtgaag	tttgctagac	atgatacaag	tagatcgtaa	ggtgacttac	300
tgatacaacg	ttataagtag	tgacccctta	actgtaggag	ttaattcata	cgttgtaaag	360
ttctccagta	ttggtattca	ttgatcttaa	ttctctcctt	tttanagagn	aaagttgcag	420
acgtgaatat	gaggagg					437

<210> 11

<211> 540

<212> DNA

<213> Homo Sapiens

<400> 11

ctaatacgac	tcactatagg	gcagcgtggg	cgcgcccgag	gtacattttt	tattacgtaa	60
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cagtaaaaac	atgaaaccta	tcaagtttgc	taaaaccaaa	tattgcaggc	taagacaaga	120
ctttcagatt	ggcctatcat	ttaatagaat	aagaaaagac	ctccttaatt	ctgtttccct	180
ttcttaaggg	gtaagtatca	tctgctcatt	aactgacaaa	tgggtgtggc	aagtagcaag	240
gctgcagcca	aaagacctac	actggatata	tgactcctta	tctttcatgt	tgtgtgacct	300
tgagcaagtt	actttaacct	ttttaagcct	ctgttttttt	cttctataac	agagacagta	360
atattttatca	ctgttttttt	ttgtagagat	taaatggcgt	atcttatgta	aatcacctaa	420
aatatttttc	tagtagtagg	gcatcaaaat	aagccctgct	attactactt	tttgaagaag	480
ataaaccaag	tccctggaac	attaaccacc	aaaaagtacc	actgggtttc	acaccccccc	540

<210> 12

<211> 561

<212> DNA

<213> Homo Sapiens

<220>

<221> misc_feature

<222> (1)...(561)

<223> n = A,T,C or G

<400> 12

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aattcgccct	taccgacgtc	gactatccaa	gatgtactat	tattggcata	tagtttcaaa	120
aattcacaga	agggagccag	gtgctctcat	tgcctaacaa	aataatggaa	atatgtattc	180
attctaacat	cttgacatac	agtataaagg	gcactcagca	agtgcctttt	agttagactg	240
attttaaatg	agtagattca	ggaataaccag	aaaacgcaca	cacacacaga	taattgggtg	300
aaaatacgag	gtagaaaact	taaccattga	agaggagtaa	ggctacttaa	agcgttaaaa	360
actaattggg	taaggatatg	ttgacccagc	tacttcattt	gccttacgat	gtatattcat	420
taaactaagt	cactcacctt	ctctgtgatg	ttgatgggtt	ggtatagtaa	acatgagata	480
tgattaaagg	tgattcaggg	atagatcaag	tgtctgccta	agtaaactctg	ggntttcaat	540
tttttttcta	gacatcttgg	a				561